

## CLAIMS

1-12. [canceled]

13. [currently amended] A measurement method using mobile probes comprising:  
    providing a model to a mobile measurement device;  
    making measurements of model variables with said mobile measurement device;  
    evaluating, by said mobile measurement device, new measurements, using said model; and  
    augmenting said model using said measurements.

14. [original] The method of claim 13 wherein said model on said mobile measurement device is augmented.

15. [original] The method of claim 13 wherein a model in a measurement system that provided said model to said mobile measurement device is augmented.

16. [original] The method of claim 13 wherein said model provided to said mobile measurement device comprises a portion of a central measurement system model.

17. [original] The method of claim 13 wherein said evaluating further comprises determining if the new measurements reinforce said model, and said augmenting comprises noting said reinforcement in said model.

18. [original] The method of claim 13 wherein said evaluating further comprises determining if the new measurements detract from said model.

19. [original] The method of claim 18 wherein said evaluating further comprises evaluating the accuracy of a detracting measurement.

20. [original] The method of claim 19 further comprising discarding faulty measurements.

21. [original] The method of claim 19 further comprising replacing existing measurements in said model with measurements that improve said model.

22. [original] The method of claim 19 further comprising adding new measurements to said model when said new measurements improve said model.

23. [original] The method of claim 13 wherein said evaluating further comprises determining if data in said model for a location of a new measurement is sufficient, and adding said new measurement to said model in response to said model having insufficient data for said location of said new measurement.

24. [original] The method of claim 13 wherein said mobile measurement device is a wireless telephone, said variable is an RF field strength at a location and said model is a model of RF field strength for a geographical area.

25. [currently amended] The method of claim ~~43~~, 13 wherein said mobile measurement device comprises:

communication capabilities for communicating said measurements and an augmented model to a measurement system;  
computational resources available for carrying out said evaluation; and  
measurement capability.

26-53. [canceled]